

Solubility study of UV absorber in slip film solvent

120 g ZPA
 67 g (Hexane)
 57 g Naphthalene

5 g of each the
MS

BAST MS 40 0.15 ✓ 0.25 ✓ + No solubility in film

DS 49 0.15 x Total solubility

Trihydroxy 44 - dimethylol hexamethylene x

① slip film ^{solubility} 20g 0.15 MS 40

② slip 10g 0.25 MS 40 + 0.15 carbon black
did not change
to much on color

UV Intensity 1.5 mW/cm²
angle 45° 1.2 mW/cm²

1. slip film 0.7 mW/cm²
0.6 mW/cm²
2 layers 0.35 mW/cm²

2 0.45 mW/cm²

3 0.19 g MS 40, 10 g slip film 0.15 mW/cm²
0.5 mW/cm²

Try increase film thickness + area of MS 40 + carbon black might be

Low Temp Image the slip film / polyester or EPIC
+ 3M yellow ring proof by YAG 523 623 nm
low. 623 do not have any effect
YAG + 523 nm have higher than slip + Rubber

Ask Terry Juley redo on yellow film to
see the laser can remove the UV blocky
layer 1" square. The 1" YAG etch the transmission
0.1 microns yellow film itself has 0.15 mW/cm²
write along the yellow only has 16 mW/cm²
but Laser etched part only has 9 mW/cm² at
max laser transparent

Blender 28883 for PCE Lot # BB 8341
in pellet form

Blender 28883 in lab Pellet
Lot 8319 (CCE) ~~Pellet~~ form (slightly brown)
8332 (CCE) power of sand size form
poly
applied

T. Williams did not have any retain of Lot BB 8341
he asked sample
5